1 11 2

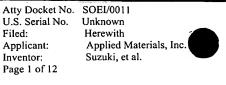
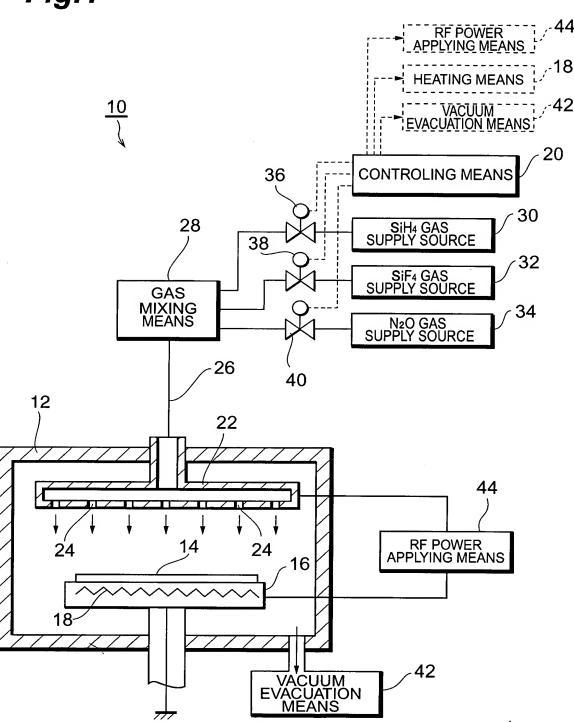
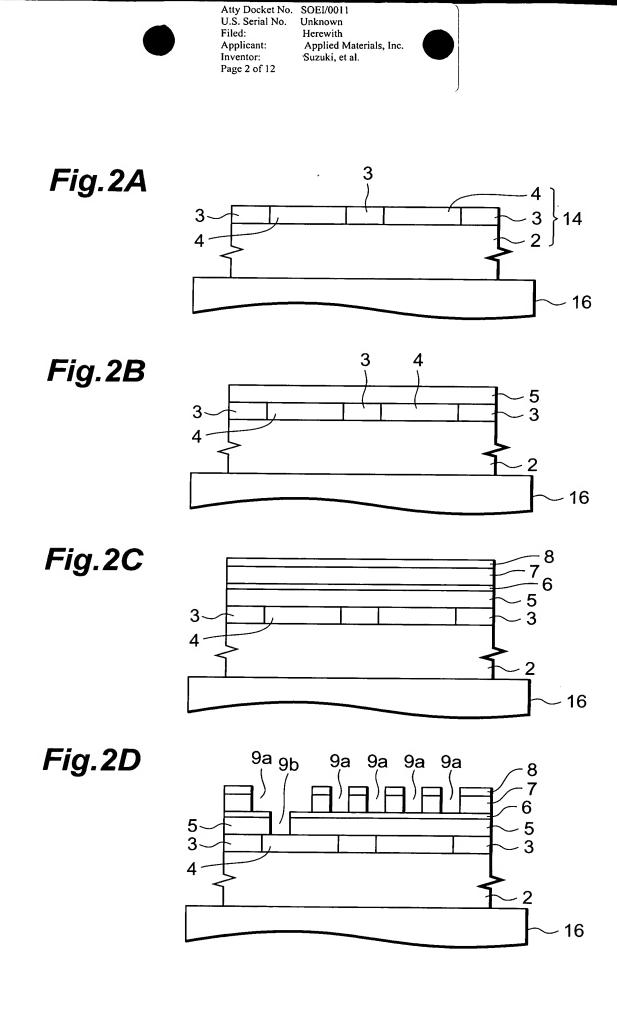


Fig.1





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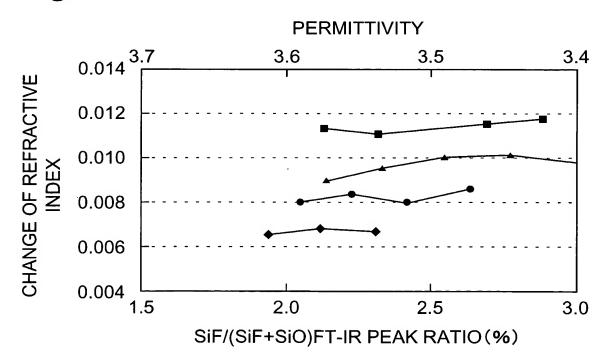
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Fig.3

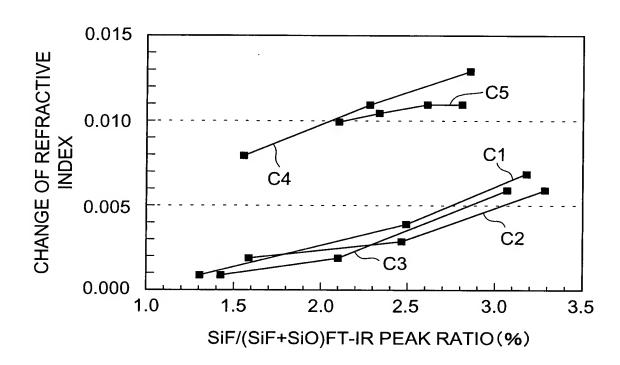
| PARAMETER | TEST CONDITIONS | RAUGE OF VARIATION | |
|---|-----------------|-----------------------|--|
| 13.56MHz RF POWER (W) | 1500 | 1200~2000 | |
| PARALLEL PLATE ELECTRODE SEPARATION (cm) | 1.0 | 1.0~1.75 | |
| CHAMBER PRESSURE (Pa) | 493 (3.7Torr) | 493~666 (3.7~5.0Torr) | |
| TOTAL FLOW VOLUME(%) | 100 | 100~200 | |
| N ₂ O FLOW VOLUME (sccm) | 1500 | 1500~3000 | |
| SiH ₄ FLOW VOLUME (sccm) | 115 | 115 | |
| SiF ₄ FLOW VOLUME (sccm) | 130 | 50~250 | |

Fig.4

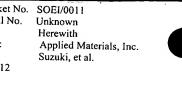


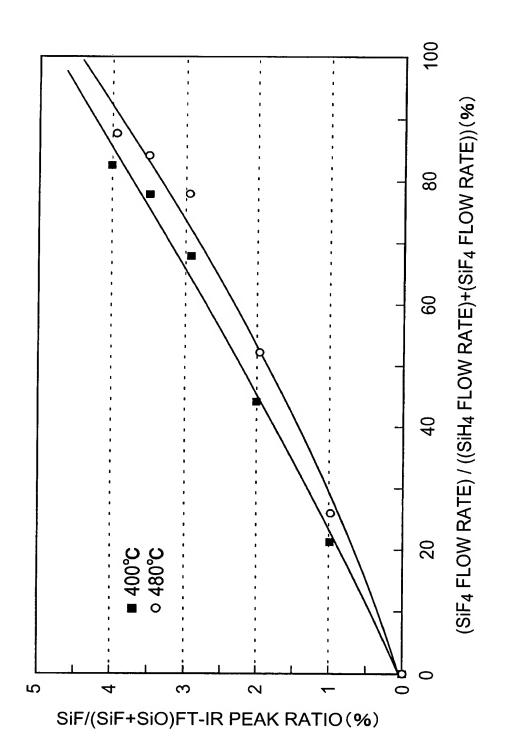
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Fig.5



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Fig.7

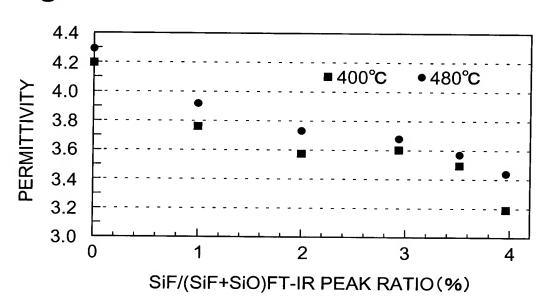
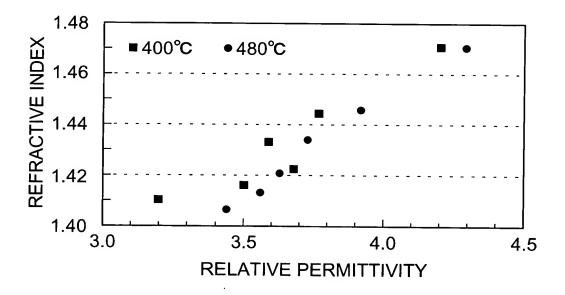


Fig.8



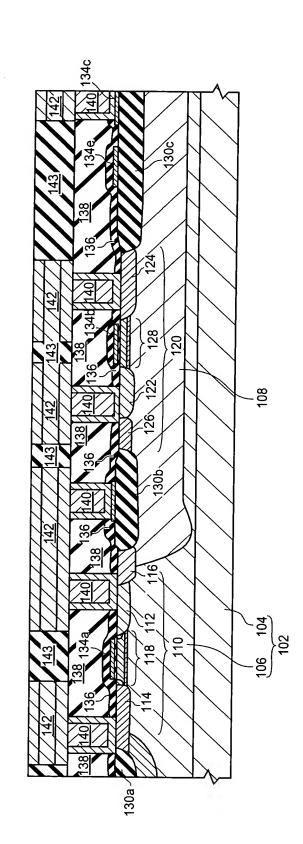
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Fig.9

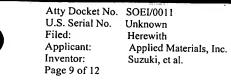
| TYPE OF FILM | | SiH ₄ FSG | | | TEOS FSG |
|---|-----------------------|----------------------|------|------|----------|
| FILM FORMING TEMPERAFURE | | 400°C | 440℃ | 480℃ | 480°C |
| (SiOH+HOH)/SiO PEAK RATIO IN FT-IR AFTER LEFT IN CLEAN ROOM | LEFT FOR ONE WEEK | 0.5 | 0.4 | 1.0 | 2.5 |
| | LEFT FOR TWO WEEKS | 0.7 | 1.1 | 0.7 | |

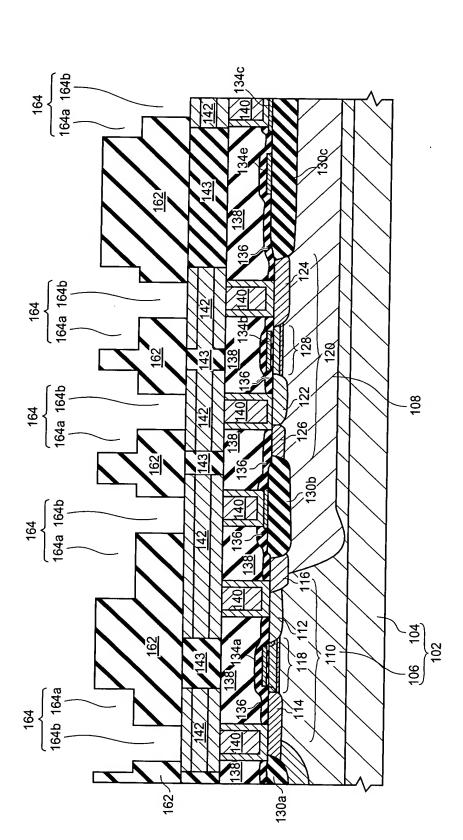
Fig. 10



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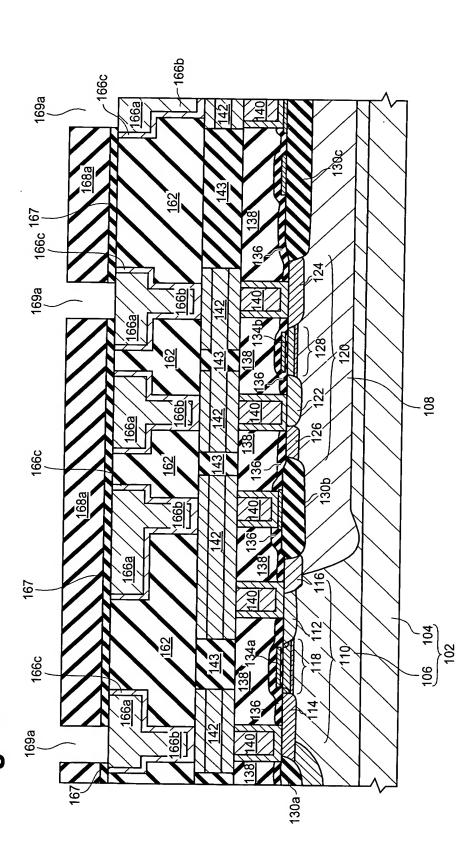


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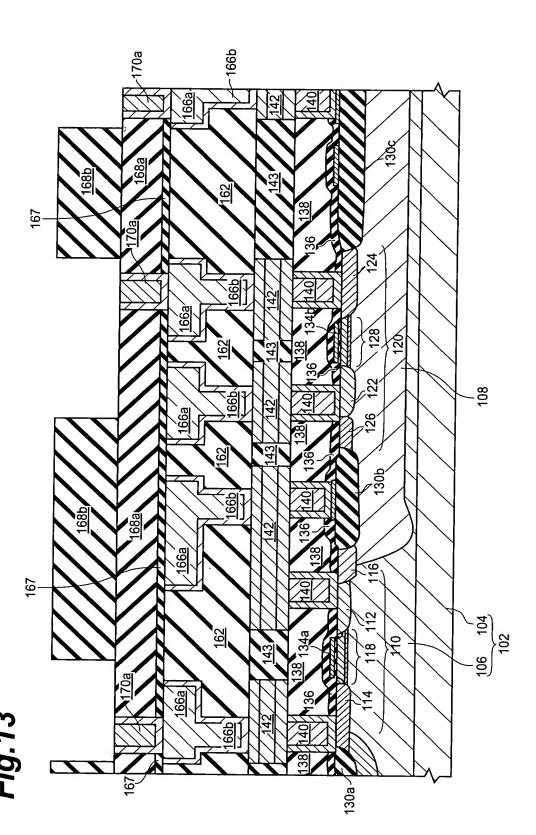


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